

FEB/FY06

**CAMP PARKS
California**

**Army Defense Environmental
Restoration Program
Installation Action Plan**

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Statement of Purpose

The purpose of the Installation Action Plan (IAP) is to outline the total multi-year Cleanup Program for an installation. The plan identifies environmental cleanup requirements at each site or area of concern, and proposes a comprehensive, installation-wide approach, with associated costs and schedules, to conduct investigations and necessary remedial actions (RAs).

In an effort to coordinate planning information between the restoration manager, US Army Environmental Center (USAEC), Camp Parks, and the Installation Management Agency-Army Reserve Office (IMA-ARO), an IAP was completed. The IAP is used to track requirements, schedules and tentative budgets for all Army installation cleanup programs.

All site-specific funding and schedule information has been prepared according to projected overall Army funding levels and is, therefore, subject to change.

The following agencies contributed to the formulation and completion of this 2006 IAP for the Camp Parks during a planning workshop held on 14 February 2006:

Company/Installation/Branch

Assistant Chief of Staff for Installation Management-Army Reserve (ACSIM-AR)

Combat Support Training Center (CSTC)

CSTC, Camp Parks, EEI

Engineering & Environment, Inc. for USAEC

IMA-ARO

USAEC

Acronyms & Abbreviations

ACSIM-AR	Assistant Chief of Staff for Installation Management-Army Reserve
AEDB-R	Army Environmental Data Base - Restoration
AST	Aboveground Storage Tank
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
CSTC	Combat Support Training Center
CTC	Cost to Complete
DD	Decision Document
DERP	Defense Environmental Restoration Program
DoD	Department of Defense
DTSC	Department of Toxic Substances Control
ER,A	Environmental Restoration, Army
FS	Feasibility Study
FY	Fiscal Year
HQ	Headquarters
IAP	Installation Action Plan
IMA-ARO	Installation Management Agency – Army Reserve Office
IRA	Interim Remedial Action
IRP	Installation Restoration Program
LTM	Long-term Management
MC	Munitions Constituent
MEC	Munitions and Explosives of Concern
MMRP	Military Munitions Response Program
NPL	National Priorities List
PA	Preliminary Assessment
PBC	Performance Based Contract
PPM	Parts Per Million
PRFTA	Parks Reserve Forces Training Area
RA	Remedial Action
RAC	Risk Assessment Code
RA(C)	Remedial Action - Construction
RAB	Restoration Advisory Board
RC	Response Complete
REM	Removal
RD	Remedial Design
RI	Remedial Investigation
RFTA	Reserve Forces Training Area
ROD	Record of Decision
RRSE	Relative Risk Site Evaluation
SI	Site Inspection
SVOC	Semi-Volatile Organic Compounds
USACHPPM	US Army Center for Health Promotion and Preventive Medicine
USAEC	US Army Environmental Center
USAEHA	US Army Environmental Hygiene Agency
USEPA	US Environmental Protection Agency

Acronyms & Abbreviations

UST	Underground Storage Tank
VENC	Funding Code for Environmental Compliance
VOC	Volatile Organic Compounds

Installation Locale: Camp Parks Training Site is located in California and has a generally flat 487 acre cantonment area within its 2478 acres. The northern two-thirds of Camp Parks consists primarily of grassy rolling hills and valleys (from about 350 feet to 750 feet) utilized for a training area and firing range. Camp Parks is a multi-use installation that hosts a variety of tenants both military and civilian.

Installation Mission: The mission of the United States Army, CSTC, Camp Parks Training Site is to serve as a training center of excellence for assigned active component/reserve units and individuals to provide logistical, administrative, training, facilities, and support for the combined total force.

Mission Statement: Enhance the readiness of the Reserve Components by providing an environment that supports individual, collective and institutional training, and by providing facilities and selected installation services.

Lead Organization: IMA-ARO

Lead Executing Agencies:

US Army Corps of Engineers Hazardous, Toxic, Radioactive Waste Center of Excellence
Performance-Based Contract (PBC) Contracting Officer Representative

US Army Corps of Engineers, Sacramento

Regulatory Participation:

Federal: US Environmental Protection Agency (USEPA)

State:

California EPA, Department of Toxic Substances Control (DTSC)

California Integrated Waste Management Board

California Department of Fish and Game

California State Historic Preservation Office

San Francisco Bay Regional Water Quality Board

National Priorities List (NPL) Status: Not on NPL

**Installation Restoration Advisory Board (RAB)/Technical Review Committee
/Technical Assistance for Public Participation Status:**

The Public Participation Plan has been updated and is being implemented. Once final implementation takes place a RAB committee will be created if desired by the community.

Installation Program Summaries

IRP

Primary Contaminants of Concern: Metals, Volatile Organic Compounds (VOCs), Semi-Volatile Organic Compounds (SVOCs)

Affected Media of Concern: Soil, Groundwater

Estimated Date for Response Complete (RC): 2007

Funding to Date (up to FY05): \$1,417K

Current Year Funding (FY06): \$180K

Cost to Complete (FY07+): \$4,092K

MMRP

Primary Contaminants of Concern: Munitions and Explosives of Concern (MEC)/

Munitions Constituent (MC), Lead

Affected Media of Concern: Soil, Groundwater

Estimated Date for RC: 2017

Funding to Date (up to FY05): \$0

Current Year Funding (FY06): \$15.7K

Cost to Complete (FY07+): \$31,693K

Cleanup Program Summary

Installation Historic Activity

Camp Parks was established in 1942 and was one of the earlier facilities used to support the US Naval Mobile Construction Battalion (Seabees) mission, established not long after their inception. From 1942 through 1944 the installation was Camp Shoemaker Naval Reservation. During this time the installation functioned as a Construction Battalion Replacement Depot, a Naval Personnel Distribution Center, and a Naval Hospital. The facility became the largest station for Seabee personnel, incorporating roughly 90,000 personnel.

After the war, in 1946, the Secretary of the Navy disestablished the installation. From 1946 to 1953 the installation was leased to Alameda County and became the Santa Rita Rehabilitation Center. In 1953 the area was reacquired by the US Air Force and became Parks Air Force Base. It was primarily used as a basic training center, overseas replacement depot, and an air base defense training area. Up to 12,000 troops were housed on base at any one time for training for World War II and the Korean War.

The Air Force excessed the installation in 1958. During this time portions of the installation were used as the US Navy Radiological Defense Laboratory, wherein experiments were conducted on plants and animals. In 1959 through 1973 the Army operated the installation in standby status. During this time the Army declared the installation in excess, retaining 1600 acres for National Guard and Navy use, while excess property was transferred to Alameda County and the Job Corps.

In 1973 the installation was reactivated and from 1973 to the present the installation's operations have been in support of Reserve Components and its perimeter was expanded back to approximately its 1942-44 size. In 1975 the installation was officially established as the US Army Garrison, Parks Reserve Forces Training Area (PRFTA). Intermittently since 1964, selected parcels were released or leased to other entities. In 1988, eighteen (18) agencies/entities retained leases/easements to parcels within Camp Parks. During this latter period the installation served as a mobilization and training center for Reserve components, became semi-active and a sub-installation of the Presidio of San Francisco, and in 1992 became a sub-installation of HQ, I Corps and Ft. Lewis, Washington. In 1994, the Army Reserve Command classified Camp Parks as a Direct Reporting Installation to Fort McCoy, Wisconsin. In 2004, Camp Parks was merged with Fort Hunter-Liggett, Moffett Field Army Housing and B.T. Collins to form the United States Army, Combat Support Training Center.

Camp Parks' organizations utilize the installation for activities which include: fire services, maintenance of buildings, range control, storage facilities, demolition activities, and administration of utilities. Tenants include the Residential Communities Initiative; Clark/Pinnacle, California National Guard, Navy Seabees, Bureau of Prisons, and Armed Forces Reserve units.

Cleanup Program Summary

IRP

- Prior Year Progress: A Preliminary Assessment (PA) was completed in September 1996. Several additional site investigations (SIs) have been completed to further identify and characterize the nature and extent of any contamination.
- Future Plan of Action: PRFTA-13 is included in the Performance Based Contract (PBC) and is scheduled to be completed by the end of FY07.

MMRP:

- Progress to Date: PA completed at all sites.
- Future Plan of Action: Site Closeout is expected at the conclusion of the SI at PRFTA-001-R-01. For the three remaining sites the installation plans to complete all SIs by the end of 2006 and execute follow on phases/actions as required by the results of the SI.

CAMP PARKS

Installation Restoration Program

Total Army Environmental Database-Restoration (AEDB-R) IRP Sites / AEDB-R sites with RC: 7/4

Different Site Types:

- 1 Burn Area
- 1 Contaminated Groundwater
- 1 Contaminated Sediments
- 1 Incinerator
- 1 Landfill
- 1 Maintenance Yard
- 1 Storage Area

Most Widespread Contaminants of Concern: Metals, VOCs, SVOCs

Media of Concern: Groundwater, Soil

Completed Removal (REM)/Interim Remedial Action (IRA)/RA:

Partial removal action at Parks7 - 2003

Total IRP Funding

Prior years (up to FY05):.....	\$1,417K
Current year funding (FY06):	\$180K
<u>Future Requirements (FY07+): ..</u>	<u>\$4,092K</u>
Total:	\$5,689K

Duration of IRP:

Year of Inception: 1994

Year of IRP RC: 2007

Year of IRP Completion Including Long-term Management (LTM): 2010

Camp Parks is relatively new to the Installation Restoration Program. As a result, several aspects of Camp Parks' status should be clarified. Currently Camp Parks has no Federal Facility Agreement or Interagency Agreement. There is no Technical Review Committee or RAB. To date Camp Parks has completed only one installation wide PA. The facility has no active landfills and is undergoing no landfill RAs. The installation has not undergone a previous Base Closure Program, although the facility has historically been transferred between military branches and undergone various periods of deactivation. Currently there is a Base Realignment and Closure action in process to relocate the 91st Division HQ to Fort Hunter Liggett.

Camp Parks has undergone one comprehensive Installation PA/Records Research study. This study was conducted by Woodward-Clyde (under contract to US Army Corps of Engineers, Sacramento District) in April 1994, finalized in September 1996. The PA found approximately 60 areas that required further investigation. These areas included underground and above ground storage tanks, surface impoundments, landfills/disposal areas, suspected release sites, and wash rack areas on site. Recommendations were made concerning further investigation and characterization to determine if any of these sites impacted the soil or groundwater.

In July 1981, a radiation protection evaluation of twenty-two buildings/areas was conducted. This study evaluated the current and past utilization of radioactive material at Camp Parks. Three of these sites (PRFTA-07, PRFTA-06, and PRFTA-05) were found to have radioactivity at levels that do not constitute a health hazard.

In June 1991, radiological surveys of the training areas and several additional sites at Camp Parks were conducted. No radiation levels above background were detected in the training areas. However, radiation levels higher than background were detected at one of the other locations (PRFTA-06).

In 1995, an investigation was conducted to determine the extent and chemical content of a mixture of ash observed in the walls of the excavation created during demolition of Building 109, a former trash incinerator. This study concluded that concentrated ash does not extend more than a few feet back from the excavation. However, the lead content of this concentrated ash is high enough to cause the ash to be regulated as a hazardous waste in the State of California.

In 1995, soil samples were collected at a site selected for construction of a National Guard Bureau armory at Camp Parks. The area that was investigated is located on the east side of Camp Parks in an area approximately bounded by 5th Street to the south, 8th Street to the north, Hutchins Avenue to the west, and Monroe Avenue to the east. The primary features of the site are a former fire department training area and training pit, where combustible materials were burned; an asphalt-concrete paved parking lot on the southern portion of the site; former building locations; a small drainage ditch in the southern part of the site that drains into a larger ditch to the west; and sewer lines beneath the western

portion of the site. Analytical results of the soil samples showed that Total Recoverable Petroleum Hydrocarbons and Total Petroleum Hydrocarbons - Gasoline was detected above the reporting limit for the analysis performed. Other findings showed that indications of underground storage tanks (USTs), distressed vegetation, landfills, aboveground storage tanks (ASTs), and chemical storage, handling, and disposal were not observed at the site. The geophysical surveys showed no anomalies indicative of the presence of USTs. Asbestos was not detected in the surface soil samples. This site is known as PARKS 5 in AEDB-R. PARKS 5, PRFTA 01 and 02 have been determined to be RC in regard to the Environmental Restoration, Army (ER,A) program status. US Army Center for Health Promotion and Preventive Medicine (USACHPPM) completed Relative Risk Site Evaluation (RRSE) sampling and radiological surveys at 11 sites in August 1998. The results of the survey indicate the sites would have a RRSE category of low if entered into AEDB-R. The sites will only be entered into AEDB-R if the DTSC indicate a desire for further investigation.

An Environmental Baseline Survey for the southern portion of Parks encompassing approximately 187 acres was completed in August 2002. A draft report was submitted to Camp Parks in September 2002. An Environmental Baseline Survey for the Northern Cantonment Area encompassing approximately 296 acres was completed in October 2002 and the draft report was submitted in mid-November 2002.

IRP Cleanup Exit Strategy

PARKS7, Drum Disposal Site

Remove and dispose of contaminated soil (approximately 40-50 cubic yards), take confirmatory samples for arsenic and pesticides from the four walls of the excavation. Groundwater sampling of four wells will also be performed for three quarters. Move for no further action (NFA), abandon wells.

PRFTA-02, B-109 Incinerator

The contamination volumes for removal action are 15,000 cy of soil and 6,000 cy of debris. Site closure to include well abandonment (ten wells) is expected to be part of the PBC.

PRFTA-13, B-761 Former Fuel ASTS

Soil and groundwater sampling is being conducted to further characterize and delineate the extent of contamination. Probable cleanup remedy will include a removal action. This site is part of the National Army Reserve PBC.

1981

- Radiation Protection Evaluation No. 28-43-0152-82, PRFTA, USAEHA, APG, MD, July 1981

1987

- Master Plan Report, PRFTA, August 1987
- Environmental Assessment (Federal Detention Center Federal Correction Institution), September 1987
- Draft Environmental Impact Report - Proposed Bent Creek Residential Development, September 1987
- Proposed Environmental Impact Report -Dougherty Valley General Plan Amendment, November 1987
- PRFTA Master Plan Report, PSF, DEH; 6th Army Engineers; COE, Sacramento District, November 1987

1988

- Environmental Assessment and Initial Study for North Pleasanton Improvement District, January 1988
- Revised Draft EIS and Draft Compatible Use Zone Report Implementation of Development Plans of PRFTA, PSF, DEH; 6th Army Engineers; COE, Sacramento District, February 1988
- Draft Environmental Impact Report -Dougherty Valley General Plan Amendment, May 1988
- Final Environmental Impact Report for Zone 7 of Alameda County Flood Control and Water Conservation District, June 1988

1989

- Draft Environmental Impact Report: Dublin/Pleasanton Extension Project, Bay Area Rapid Transit District, September 1989

1991

- Soil Sample Collected near PRFTA Letter to CPT Contreas, Letterman Army Medical Center, Presidio of San Francisco (PSF), Robert C. Wren, August 1991
- City of San Ramon, Draft Program Environmental Impact Report, Dougherty Valley Growth Management and Specific Plan, EIP Associates, September 1991
- 47-Acre Surplus Property Parcel at PRFTA (Preliminary Assessment Screening), September 1991

1992

- Final Environmental Impact Report - Dougherty Valley Growth Management and Specific Plan, June 1992

1993

- Inventory Project Report, Parks Air Force Base, Dynamac Corp., COE, Sacramento District
- Letter Report: San Joaquin Kit Fox Survey at PRFTA, Jones & Stokes Associates, Inc., COE, Sacramento District, Bob Verkade, August 1993
- 47-Acre Surplus Parcel Preliminary Assessment Screening PRFTA, Woodward Clyde, December 1993
- Caltran Easement Preliminary Assessment Screening PRFTA, Woodward Clyde, December 1993

1994

- PA for PRFTA, Dublin, CA, Draft, Woodward Clyde, Oakland, CA, April 1994
- Regulatory Framework Analysis Report, Woodward Clyde, August 1994
- Work Plan for Tank Removals at Bldgs 770, 1136, and 1180, PRFTA, Woodward Clyde, September 1994
- Remedial Investigation Services for Suspected Contamination and UST Sites, Woodward Clyde, September 1994
- Tank 732-2 Subsurface Investigation at Bldg 732 - Final Report, Woodward Clyde, October 1994
- Biological Resource Study at PRFTA and Tassajara Creek Regional Park, Jones & Stokes Associates, COE, Sacramento District, Bob Verkade, December 1994

1995

- Misc. Compliance Actions Project Tenant Environmental Compliance Audits, Woodward Clyde, April 1995
- Site Characterization Report Bldg 109 UST, Woodward Clyde, June 1995
- Site Characterization Report Bldg 109 ASH, Woodward Clyde, September 1995

1996

- Summary of Tabulated Analytical Results of Woodward Clyde Federal Services Storm Water Sampling Effort, Woodward Clyde, January 1996
- Work Plan for Quarterly Groundwater Monitoring at Bldg 109, Woodward Clyde, January 1996
- Closure report for Tanks at Bldgs 1135, 1136, and 1180, Woodward Clyde, January 1996

1998

- Phase I Site Assessment, Department of Military, PRFTA, BSK & Associates
- Relative Risk Site Evaluation, USACHPPM, August 1998

1999

- Final Sampling Plan Site Inspection - PARKS-5, PRFTA-01, PRFTA-02, USACHPPM, May 1999
- Work Plan - Arsenic Drum Disposal Site, Roy F. Westin, Inc., November 1999

2000

- Site Inspection - Former Fire Training Area, USACHPPM, March 2000
- Field Summary Report - Environmental Sampling and Anomaly Investigation at the Arsenic Drum Disposal Site, PARKS-7, Roy F. Weston, Inc., September 2000

2001

- Work Plan - Arsenic Drum Disposal Site Plume Characterization Parks-7, Roy F. Weston, Inc., March 2001
- Field Summary Report Plume Characterization at the Arsenic Drum Disposal Site Parks-7, Roy F. Weston, Inc., July 2001

2002

- Sampling and Analysis Plan Phase 1 Site Inspection Former Fuel ASTS, USACHPPM, May 2002
- Draft Engineering Evaluation/Cost Analysis, Arsenic Drum Disposal Site Parks 7, Roy F. Weston, Inc., August 2002
- Draft Environmental Baseline Survey for 187 acre Exchange Camp Parks, USACHPPM, August 2002
- Sampling and Analysis Plan Phase 2 Site Inspection Former Tank Farm, USACHPPM, October 2002

2003

- Soil Metals Background Survey at Camp Parks (PRFTA), CH2MHILL, May 2003
- Final Engineering Evaluation/Cost Analysis, Arsenic Drum Disposal Site Parks 7, Roy F. Weston, Inc., June 2003
- Sampling Plan, Environmental Baseline Survey for 187 acre Exchange Camp Parks, Phase II, USACHPPM, October 2003

2004

- Comprehensive Magnetometer Survey for Underground Storage Tanks at Camp Parks Training Site, Dublin Crossing Project, Mike Bobbitt & Associates, June 2004
- Sampling Results, Environmental Baseline Survey for 187 acre Exchange Camp Parks, Phase III, USACHPPM, November 2004

2005

- Comprehensive Magnetometer Survey for Underground Storage Tanks at Camp Parks Training Site, Oakland RPX Project, Mike Bobbitt & Associates, January 2005

CAMP PARKS

Installation Restoration Program Site Descriptions

PARKS7 DRUM DISPOSAL SITE

SITE DESCRIPTION

This site is located in the Prison exercise yard. This site is ~two acres. In 2000, a thirty gallon drum was unearthed during construction activities by the Bureau of Prisons. The property is currently leased to the Bureau of Prisons. Sampling of liquid contents from this drum indicated arsenic levels of 70 parts per million (ppm). Soil samples from borings at four feet indicated arsenic levels of 10,000 ppm. The drum and surrounding soil was removed to a depth of eight feet. Additional samples at eight feet indicated arsenic concentrations of 10,000 ppm. Two additional drums were discovered during excavation and have been removed. The area of contamination has not been determined. A geophysical survey (subsurface imaging) was performed and six magnetic anomalies were found. Further investigation revealed the magnetic anomalies were from abandoned iron sewer piping and construction debris. Confirmatory soil sampling indicated no elevated levels of arsenic outside of the immediate area of the removed drums.

The results of the characterization of the site revealed high arsenic levels up to 4000 ppm still present after removal of an additional 20 cubic yards of soil. Analytical results show most of the soil samples to have Dichlorodiphenyltrichloroethane (pesticide) levels above the primary remediation goals. Groundwater was not encountered within 30 feet as expected.

The Engineers Evaluation/Cost Analysis has been completed. A partial removal action was completed in FY03. Recommendations by California EPA are to remove the remaining contaminated soil, perform three quarters of groundwater monitoring after the removal action is complete and confirmatory samples are clean.

CLEANUP STRATEGY

Remove and dispose of contaminated soil (approximately 40-50 cubic yards), take confirmatory samples for arsenic and pesticides from the four walls of the excavation. Groundwater sampling of four wells will also be performed for three quarters. Move for NFA, abandon wells. These actions were funding in FY06.

STATUS

REGULATORY DRIVER: Clean Water Act

RRSE: Low

CONTAMINANTS OF CONCERN: Metals

MEDIA OF CONCERN: Soil

Phases	Start	End
PA.....	199708	199711
SI	199711	199807
RI/FS	199910	200109
RA(C).....	200110	200709

RC DATE: 200709

PRFTA-01 TASSAJARA FLOOD PLAIN DISPOSAL TRENCHES

SITE DESCRIPTION

This site is inactive and consists of a minimum of three buried disposal trenches. Several exposed (empty) 55 gallon drums and debris are visible. Ground squirrel activity has surfaced municipal waste debris throughout the area.

CAL EPA comments to the SI final sampling plan are currently being discussed with USACHPPM and Camp Parks.

All sample results indicate neodymium, with the exception of what is believed to be naturally occurring arsenic. A Baseline soil survey is needed to determine background soil constituent levels.

STATUS

REGULATORY DRIVER: Clean Water Act

RRSE: Low

CONTAMINANTS OF CONCERN:
Metals

MEDIA OF CONCERN:
Groundwater, Surface Water

Phases	Start	End
PA	199402	199405
SI	199809	200002

RC DATE: 200002

CLEANUP STRATEGY

CAL EPA and USARC are in the process of determining further actions at this site. Due to results of SI, this site has been determined to be in response complete status.

PRFTA-02 B-109 INCINERATOR

SITE DESCRIPTION

This site contains the remains of Building 109. Building 109, prior to its demolition, was a trash incinerator. The remaining structures consist of a heavily reinforced foundation of poured concrete construction including minor brick and mortar. The foundation structures make up the ash containment cell which is approximately 20' x 20' x 5' and the incinerator exhaust stack base. During building demolition and removal activities in mid March 1994, a previously unknown UST was discovered and damaged. An unknown amount of fuel was released from the approximately 5,000 to 10,000-gallon tank into the excavation. The majority of the fuel released into the excavation was removed by a vacuum truck, however, product was observed in the excavation after the fuel removal activities were concluded, and subsequently detected in groundwater samples. Soil was also removed. Three monitoring wells were placed in close proximity to the spill area. The County of Alameda has agreed that no further water quality tasks are required resulting from the UST release.

Ash was observed in a trench during the demolition and fuel recovery operations. Subsequent investigations led to the detection of various accumulations of ash waste material in the walls of the excavations, soil borings and monitoring wells. Building 109 was identified on a 1945 facility drawing that identified a trash pit and scrap area to the south of the building. USACHPPM conducted soil and groundwater sampling in the Spring of 1999. Three new groundwater monitoring wells were installed during this field effort. Sampling results indicated elevated levels of arsenic in the groundwater and soil, however, arsenic occurs naturally at elevated levels at Camp Parks. Four quarters of groundwater monitoring has been completed. Report due to be received November 2002. VENC funds (Funding Code for Environmental Compliance) were used.

When this project was initiated it was assumed that debris related to incinerator process waste (ash) was not eligible for ER,A funding. Based on historical research it was determined that incinerator operations ceased in the 1950s which made it eligible for ER,A funding. Nature and extent of contamination was delineated in FY05.

CLEANUP STRATEGY

Complete a Feasibility Study (FS) in FY07. It is anticipated that approximately 15,000 cy of contaminated soil and 6,000 cy of debris will be removed and disposed. Site closure to include well abandonment (six wells) is expected in FY07.

STATUS

REGULATORY DRIVER: Clean Water Act

RRSE: Medium

CONTAMINANTS OF CONCERN: Metals, Dioxin

MEDIA OF CONCERN: Soil

Phases	Start	End
PA	199402	199405
SI	199809	200002
RI/FS	200308	200701
RA(C)	200705	200709

RC DATE: 200709

PRFTA-13

BLDG 761 FORMER FUEL AST

SITE DESCRIPTION

Area 761 is approximately three acres and is located west of Fernandez and south of 4th Street. This site was formerly used as an AST fuel storage and dispensing area. A storm water swale lies along the northwest boundary. In the 1957 and 1976 aerial photographs, there appear to be three ASTs in the same configuration and same location over time. The site is currently flat and is heavily vegetated with grass. Although there are no reported or documented spills, the heavy usage of the dispensing area warrants investigation. USACHPPM collected and analyzed soil samples in August 1998. Trace amounts of toluene were detected. The local sewer district hit a plume of diesel while excavating/trenching southeast of the site. Soil samples at 8' and 12' below ground surface were 140 and 470 ppm respectively. Groundwater has been impacted.

The plume is still being delineated. Site Investigation found one VOC and three SVOCs above California Regional Water Quality Control Board risk-based screening levels.

Soil and groundwater sampling was conducted in 2005 to further characterize and delineate the extent of contamination.

CLEANUP STRATEGY

Probable cleanup remedy will include a removal action in 2006 and monitored natural attenuation. Ten wells will be monitored quarterly for five years. After remediation goals are achieved the wells will be decommissioned. This site is part of the Army Reserve PBC.

STATUS

REGULATORY DRIVER: Clean Water Act

RRSE: Low

CONTAMINANTS OF CONCERN: VOCs, SVOCs

MEDIA OF CONCERN: Soil, Groundwater

Phases	Start	End
PA	200111	200201
SI	200210	200308
RD	200308	200409
RA(C)	200308	200612
LTM	200701	201009

RC DATE: 200612

IRP NFA Sites Summary

AEDB-R #	Site Title	Documentation/Reason for NFA	NFA Date
PRFTA-03	B-791 Refueling Area	This site has been determined to be ineligible for ER,A funding. It is covered under the Compliance program.	199612
PARKS3	Former Oil Drum Storage Area	This site has been determined to be ineligible for ER,A funding. It is covered under the Compliance program.	199612
PARKS5	Fire Training Area	This site is not eligible for ER,A funding.	200009

Initiation of IRP: 1994

Past Phase Completion Milestones

1994

- PA completion at PRFTA-01 and 02 - May

1996

- PA and RC completion at PRFTA-03 and PARKS3 – December

1997

- PA completion at PARKS5 – May
- SI completion at PARKS5 – October
- PA completion at PARKS7 – November

1998

- SI completion at PARKS7 – July

2000

- SI and RC completion at PRFTA-01 and 02 – February
- RI/FS completion at PARKS5 – June
- RC completion at PARKS5 – September

2001

- RI/FS completion at PARKS7 – September

2002

- PA completion at PRFTA-13 – January

2003

- SI completion at PRFTA-13 – August

2004

- RD completion at PRFTA-13 – September

Projected Record of Decision (ROD)/Decision Document (DD) Approval Dates:

Unknown

Schedule for Next Five-Year Review: Unknown

Estimated Completion Date of IRP (including LTM phase): 2010

Camp Parks IRP Schedule

(Based on current funding constraints)

AEDB-R#	Phase	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15+
PRFTA-02	RI/FS									
	RA(C)									
PRFTA-13	LTM									

Prior Years Funds

Total Funding up to FY04: \$1,417K

Year	Site Information	Expenditures	FY Total
FY05		\$0	\$0

Total Prior Year Funds: \$1,417K

Current Year Requirements

Year	Site Information	Requirements	FY Total
FY06	PRFTA-13 RA(C) (PBC)	\$60K	
	PARKS7 – RA(C)	\$120K	\$180K

Total Requirements FY06: \$180K

Total Future Requirements: \$4,092K

Total IR Program Cost (from inception to completion of the IRP): \$5,689K

CAMP PARKS

Military Munitions Response Program

MMRP Summary

Total AEDB-R MMRP Sites/AEDB-R sites with RC: 4/0

AEDB-R Site Types:

3 Unexploded Munitions/Ordnance
1 Small Arms Range

Most Widespread Contaminants of Concern: MEC/MC, Lead

Media of Concern: Groundwater, Soil

Completed REM/IRA/RA: None

Total MMRP Funding

Prior years (up to FY05):	\$ 0
Current Year (FY06):	\$ 15.7K
Future Requirements (FY07+):	<u>\$31,693.0K</u>
Total:	\$31,708.7K

Duration of MMRP

Year of MMRP Inception: 2002
Year of MMRP RC: 2017
Year of MMRP Completion Including LTM: 2047

MMRP Contamination Assessment

MMRP Contamination Assessment Overview

The Phase 3 Army Range Inventory was completed at Camp Parks in Dec 03. The inventory identified four sites as eligible for the MMRP: three Multi-Use Ranges and one Small Arms Range. The Phase 3 Inventory serves as the PA under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA). A SI is scheduled to begin in FY06.

MMRP Cleanup Exit Strategy

Site Closeout is expected at the conclusion of the SI at PRFTA-001-R-01. For the three remaining sites the installation plans to complete all SIs by the end of 2006 and execute follow on phases/actions as required by the results of the SI.

2003

- Preliminary Assessment, Phase 3 Army Closed, Transferring, and Transferred Ranges/Sites Inventory for Camp Parks

CAMP PARKS

Military Munitions Response Program Site Descriptions

PRFTA-001-R-01

ARTILLERY SIMULATOR BOX

SITE DESCRIPTION

This is a closed munitions site located in a field within the installation boundaries comprising a total of .01 acre. A full case of artillery simulators was found on this spot in 1980 when an employee was injured while running over the box with a vehicle. There is no evidence indicating the length of time that the case was located at this site, although it was assumed that the case was left in this location within one year of its discovery. Currently, this munitions site is undeveloped and under Department of Defense (DoD) jurisdiction. The munitions were removed immediately after the 1980 incident. Based on interviews with installation personnel, it does not appear that the surrounding area was searched for additional ordnance items.

STATUS

REGULATORY DRIVER: CERCLA

RAC Score: Moderate

CONTAMINANTS OF CONCERN:
MEC/MC

MEDIA OF CONCERN: Soil

PHASES	Start	End
PA	200211	200305
SI	200510	200610

RC DATE: 200610

CLEANUP STRATEGY

Site Closeout is expected at the conclusion of the SI.

PRFTA-002-R-01

CANTONMENT AREA MOUT

SITE DESCRIPTION

This range is a closed training area located in the central portion of the cantonment area, within the installation boundaries, comprising a total of 284 acres. The area was used for military operations on urbanized terrain training. Based on interviews it was estimated that this training occurred between 1965 until 1990. Small arms blanks, practice grenades, practice mortars, and smokes were used in this training area. Currently the area encompasses large undeveloped areas and numerous administrative, storage, and residential buildings. This range is under DoD jurisdiction. Some munitions have been retrieved on occasion from this range, but there has been no systematic investigation or remediation.

STATUS

REGULATORY DRIVER: CERCLA

RAC: High

CONTAMINANTS OF CONCERN:
MEC/MC

MEDIA OF CONCERN: Soil

PHASES	Start	End
PA	200211	200305
SI	200510	200610
RI/FS	201210	201309
RD	201510	201609
RA(C)	201610	201709
LTM	201710	204709

RC DATE: 201709

CLEANUP STRATEGY

An installation-wide Archive Search Report and a SI will be completed to determine if further action is needed. Currently, the following phases are scheduled to be completed:

- RI/FS to include the installation of groundwater monitoring wells
- RD/RA for the excavation and disposal of contaminated soils and institutional controls

Upon completion of the SI, it will be determined if the RI/FS and RD/RA will be necessary. LTM will consist of OE monitoring.

PRFTA-003-R-01 EASTERN RIFLE RANGE

SITE DESCRIPTION

This is a transferred rifle range safety fan that extends off of the installation boundary, comprising a total of 171 acres. This area extends to the north of the installation, and is part of an area that is mostly undeveloped but used for grazing in some places. Additionally, part of this area is being developed with residences. Based on maps and interviews, it is assumed that this range was used from the middle 1940s until the middle 1950s. Small arms were fired on this range. The property comprising this range is privately owned, and has never been owned by DoD.

CLEANUP STRATEGY

An installation-wide Archive Search Report and a SI will be completed to determine if further action is needed. Currently, the following phases are scheduled to be completed:

- RI/FS to include the installation of groundwater monitoring wells
- RD/RA for the excavation and disposal of contaminated soils

Upon completion of the SI, it will be determined if the RI/FS and RD/RA will be necessary.

STATUS

REGULATORY DRIVER: CERCLA

RAC: Negligible

CONTAMINANTS OF CONCERN:
Lead

MEDIA OF CONCERN:
Soil, Groundwater

PHASES	Start	End
PA	200211	200305
SI	200510	200610
RI/FS	201210	201309
RD	201510	201609
RA(C)	201610	201709

RC DATE: 201709

PRFTA-004-R-01 MORTAR RANGE

SITE DESCRIPTION

This is a transferred mortar range safety fan that extends off of the installation boundary, comprising a total of 1,187 acres. This area extends to the north of the installation, and is in an area that is partly undeveloped but used for grazing. However, part of this area is being developed with residences. Based on maps and interviews, it is assumed that the range was used from the middle 1940s until the middle 1950s. Practice mortars were fired on this range, and according to installation personnel, a few rounds have been retrieved north of the installation boundary although there have been no formal remediations and investigations at the range. The property comprising this range is privately owned and has never been owned by DoD.

STATUS

REGULATORY DRIVER: CERCLA

RAC: Serious

CONTAMINANTS OF CONCERN:
MEC/MC

MEDIA OF CONCERN: Soil

PHASES	Start	End
PA.....	200211200305
SI	200510200610
RI/FS	201210201309
RD	201510201609
RA(C)	201610201709
LTM	201710204709

RC DATE: 201709

CLEANUP STRATEGY

An installation-wide Archive Search Report and a SI will be completed to determine if further action is needed. Currently, the following phases are scheduled to be completed:

- RI/FS to include the installation of groundwater monitoring wells
- RD/RA for the excavation and disposal of contaminated soils and institutional controls

Upon completion of the SI, it will be determined if the RI/FS and RD/RA will be necessary. LTM will consist of OE monitoring.

Initiation of MMRP: 2002

Past Phase Completion Milestones

2003

- PA completion for PRFTA-001-R-01, PRFTA-002-R-01, PRFTA-003-R-01, and PRFTA-004-R-01 - May

Projected ROD/DD Approval Dates: Unknown

Projected Construction Completion: 2017

Schedule for Five Year Reviews: None

Estimated Completion Date of MMRP including LTM: 2047

Camp Parks MMRP Schedule

(Based on current funding constraints)

AEDB-R#	Phase	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15+
PRFTA-002-R-01	RI/FS									
	RD									201609
	RA(C)									201709
	LTM									204709
PRFTA-003-R-01	RI/FS									
	RD									201609
	RA(C)									201709
PRFTA-004-R-01	RI/FS									
	RD									201609
	RA(C)									201709
	LTM									204709

Prior Years Funds

Total Funding up to FY04: \$0

Year	Site Information	Expenditures	FY Total
FY05		\$0	\$0

Total Prior Year Funds: \$0

Current Year Requirements

Year	Site Information	Requirements	FY Total
FY06	SI	\$15.7K	\$15.7K

Total Requirements FY06: \$15.7K

Total Future Requirements: \$31,693K

Total IR Program Cost (from inception to completion of the IRP): \$31,708.7

Community Involvement

There has been no sustainable community interest in forming a RAB at Camp Parks. Public interest will be re-determined if community interest warrants. The Public Participation Plan needs to be updated and implemented. Once implemented, community interest may be identified. Camp Parks has an Environmental Quality Control Committee and will attempt to combine a RAB with this Committee if community interest is identified.